

## CHMD59F/CHM1425H/EES1121H

### Modeling the Fate of Organic Chemicals in the Environment

This course will give an introduction to quantitative approaches to describing the behaviour of organic chemicals in the environment. Building upon a quantitative treatment of equilibrium partitioning and kinetically controlled transfer processes of organic compounds between gaseous, liquid and solid phases of environmental significance, it will be shown how to build, use, and evaluate simulation models of organic chemical fate in the environment. The course will provide hands-on experience with a variety of such models.

<b>Instructor:</b>	F. Wania Office EV-448 (University of Toronto Scarborough) Tel. 416-287-7225 E-mail: <a href="mailto:frank.wania@utoronto.ca">frank.wania@utoronto.ca</a>	
<b>Teaching Assistant:</b>	Sivani Baskaran, <a href="mailto:sivani.baskaran@mail.utoronto.ca">sivani.baskaran@mail.utoronto.ca</a>	
<b>Format:</b>	2 hours lecture, followed by 1 hour tutorials	
<b>Time:</b>	Wednesday, 9:00 to 12:00	
<b>Location:</b>	AA207, UTSC Campus	
<b>Office Hours:</b>	Wednesday, 13:00-15:00, or by appointment	
<b>Grading:</b>	CHM1425H EES1121H	CHMD59F
	2 Take-home assignments	20 % 30 %
	Paper summaries	10 % 10 %
	1 Term project/paper	30 % 30 %
	1 Project presentation	10 %
	1 Final Exam	30 % 30 %

For those taking the course at the graduate level:

- the expectation with respect to the term project/paper are higher
- a short oral presentation on the term paper/project is expected
- the final exam will include more challenging questions

Evaluation will be carried out in accordance with the Graduate Grading and Evaluation Practices Policy (and how that policy is interpreted and applied in this Dept.)

Mackay, D.  
Publ. Chelsea, MI

Lewis

Schwarzenbach, R., Gschwend, P., Imboden.  
J. Wiley & Sons, NY

These books will be available in EV-448.

# Course Outline

# Date